





Navy Replenishment Oiler *Wichita* (1968)

Design Type: Auxiliary

Official Number: AOR-1



PRINCIPLE CHARACTERISTICS

BUILDER: GENERAL DYNAMICS CORPORATION
BUILT: 1969
LOA: 658'-0"
BEAM: 96'-0"
DRAFT: 33'-3"
SPEED: 20 KNOTS
PROPULSION: TWIN-SCREW PROPELLER, 32,000 SHAFT-HORSEPOWER, 3 FOSTER & WHEELER BOILERS, 2 ELECTRIC TURBINES P&S
TONNAGE: 37,360 TON (GROSS)
DISPLACEMENT: 14,048 TONS (LIGHTWEIGHT)
39,790 TONS (FULL LOAD)
COMPLEMENT: OFFICERS 22
ENLISTED 398
ARMAMENT: 2 PHALANX CIWS (CLOSE IN WEAPONS SYSTEM)
MK 29 SEA SPARROW MISSILE LAUNCHER
AIRCRAFT: 2 CH-46E SEA KNIGHT HELICOPTERS



USS WICHITA, CIRCA 1968. U.S. NAVY PHOTOS



THE USS *WICHITA* WAS THE FIRST OF SEVEN SHIPS DESIGNED AS AUXILIARY REPLENISHMENT OILERS (AOR) THAT SERVED IN THE U.S. NAVY. THE NAVY BASED THE DESIGN OF THE *WICHITA* CLASS ON THE *SACRAMENTO* (AOE-1), WHICH WAS A FAST COMBAT SUPPORT SHIP. THE AOR WAS SLIGHTLY SMALLER, SLOWER, AND CARRIED LESS CARGO THAN AN AOE, BUT RETAINED THE SAME CONFIGURATION FOR TRANSFERRING SUPPLIES.

WICHITA SERVED FOR TWENTY-FOUR YEARS IN THE U.S. NAVY AND WAS THE SECOND SHIP NAMED AFTER THE CITY OF WICHITA, KANSAS. SHE EARNED FOUR BATTLE STARS IN VIETNAM, THE COVETED BATTLE EFFICIENCY AWARD, THE NAVY EXPEDITIONARY MEDAL, THE HUMANITARIAN SERVICE MEDAL, AND THE ARMED FORCES EXPEDITIONARY MEDAL.

THIS PROJECT WAS COSPONSORED BY THE HISTORIC AMERICAN ENGINEERING RECORD (HAER) AND THE U.S. MARITIME ADMINISTRATION, DEPARTMENT OF TRANSPORTATION (MARAD). THE PROJECT WAS COORDINATED BY ERHARD KOEHLER (MARAD), BARBARA VOULGARIS (MARAD) AND TODD CROTEAU (HAER). THE TEAM CONSISTED OF ARCHITECTS BRYAN DUBARD AND ASHLEY WALKER, HISTORIAN BRIAN CLAYTON, AND PHOTOGRAPHER JET LOWE.



NOTE: COURSES DEPICTED ON MAP ARE ABSTRACTED TO CONNECT LOCATIONS. THEY DO NOT REPRESENT THE EXACT COURSES TRAVELED.

Profile Drawings



0 10 40 80 120 160 200 FEET 240 280 320 360 400 440 480 520

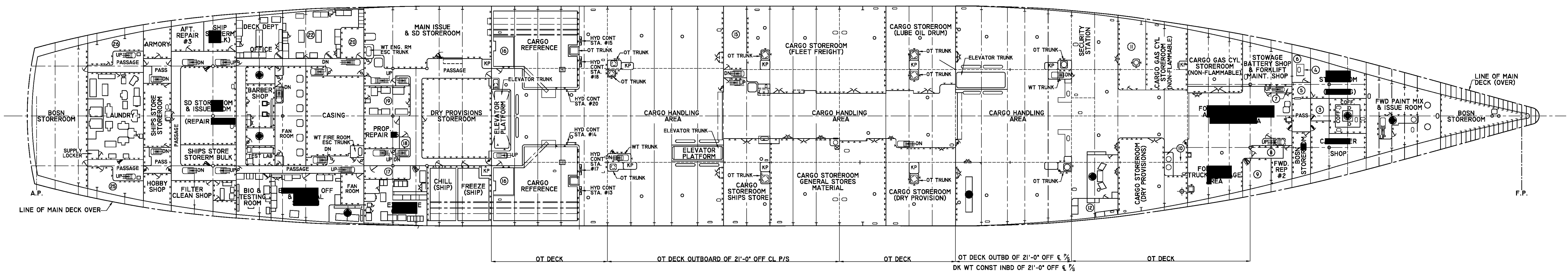
1/20" = 1'-0"

0 5 10 15 20 25 30 METERS 40 45 50 55 60 65 70

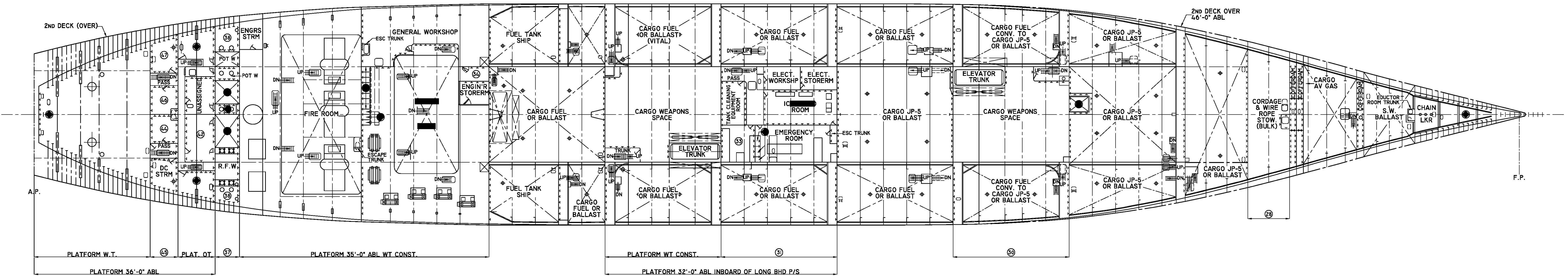
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NOTE: DRAWINGS WERE TRACED FROM SCANS OF ORIGINAL DRAWINGS LOCATED AT THE NATIONAL ARCHIVES AND RECORDS ADMINISTRATION. DESIGN DRAWING No. AOR-I-845-2522019. MEASUREMENTS WERE NOT VERIFIED IN THE FIELD.

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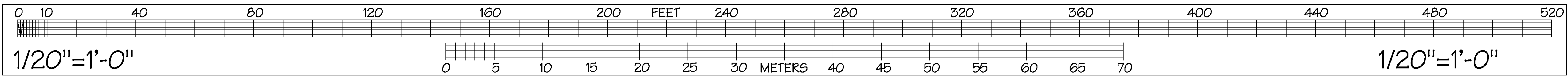
OI LEVEL



MAIN DECK

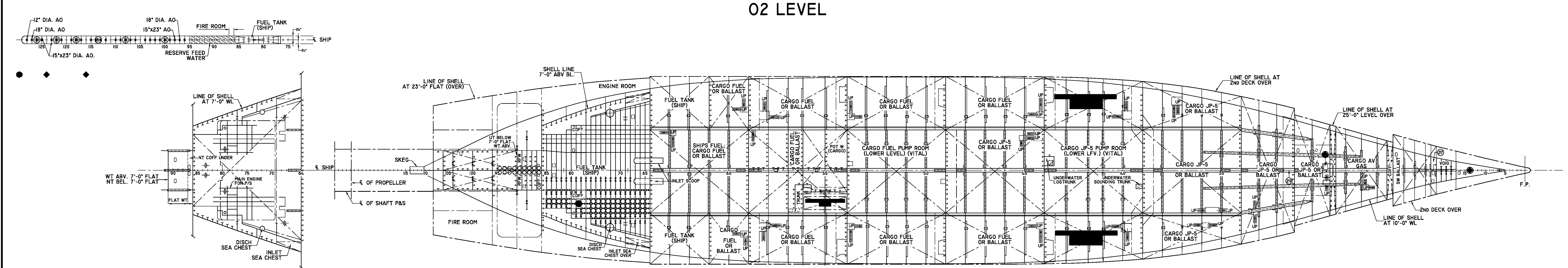
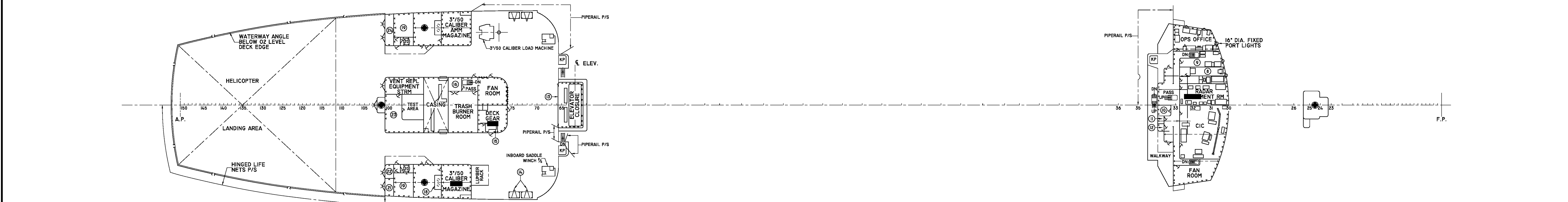
SCHEDULE OF ROOMS AND FEATURES OF VESSEL

SCHEDULE OF ROOMS AND FEATURES OF VESSEL																
1	AV GAS PUMP MOTOR ROOM		8	TOP OF FAN ROOM (P/S) CONT. FOR CARGO BOOM WINCHES P/S	15	RAIN CLOTH LOCKER		22	SHIP'S ENTERTAINMENT AND EQUIPMENT ROOM		29	SW DECONTAMINATION STATION	36	18" DIA FIXED FUELING KP (STBD) ONLY	43	WINCH CONT. STA. P/S FOR "FAST" REPLENISHING
2	3"/50 CALIBER TWIN GUN MOUNT (REST FOR FUTURE INST. P/S)		9	PLATFORM FOR WINCH CONTROL RAS STATION NO.10	16	MK 56 GFCS AMPLIDYNE ROOM		23	DIET PANTRY		30	FIRST CLASS LOUNGE	37	WINCH CNTRL STA. (OVER) STA. NO.4 (P) & NO.1 (S) FOR RAS P/S	44	RECESS FOR ACCOMMODATION LADDER STOW P/S
3	BATH	I- W.C.	10	PLATFORM FOR WINCH CONTROL RAS STATION NO.7	17	BACTERIA LAB AND PHARMACY	24	X-RAY DARK ROOM	31	SECURE TELETYPE/ MESSAGE PROCESS ROOM	38	"KEEP CLEAR" PASS AREA FOR FORK LIFT TRUCKS	45	SINCH CONT. STA. (OVER) FOR FUELING STATION NO.12		
	I- SHOWER	I- LAVATORY														
4	OFFICER S.R.		11	STEWARDS MESS ROOM	18	STEERING & APPAR. ROOM		25	CLOSED CIRCUIT TV CONTROL ROOM		32	LIGHT TRAP P/S	39	WINCH CONTROL STA. (OVER) FOR FUELING P/S	46	CREW WR, WC & SHR. FRESH & SW DECONTAMINATION STATION
5	URG'S AND CAPTAIN'S GALLEY		12	WARDROOM, MESS ROOM AND LOUNGE	19	DOCTOR'S OFFICE AND CONSULTATION ROOM		26	FWD. MK56 GFCS CONTROL ROOM		33	FUEL OUTRIGGER OVER	40	FLWI ELEVATION HATCH-HINGED OVER	47	GARBAGE DISPOSAL ROOM
6	OPERATING OFFICER S.R.		13	W.R. STOREROOM	20	MEDICAL DEPARTMENT RECORD OFFICE		27	MK 56 GFCS AMPLIDYNE ROOM (FWD)		34	FIXED FUELING KP (P) ONLY	41	14" CLOSED CHOCK	48	MEAT THAW ROOM
7	C.G. LOCKER		14	EXECUTIVE OFFICERS OFFICE	21	MOTION PICTURE EQUIPMENT ROOM	28	ELECTRIC WORKSHOP	35	WALKWAY OVER OI LEVEL	42	26'-0" PERSONNEL BOAT P/S				
	REG'D PUB. OFFICE															



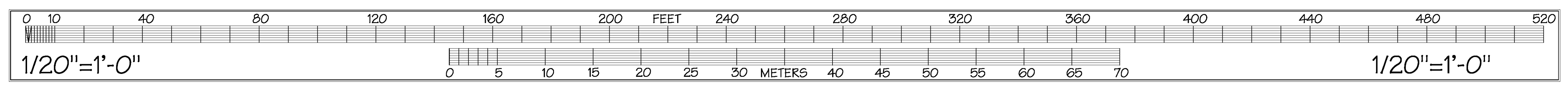
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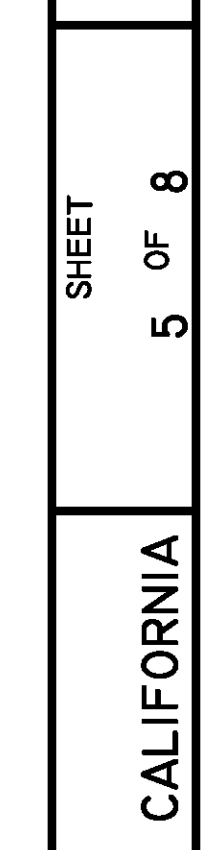
SCHEDULE OF ROOMS AND FEATURES OF VESSEL

1	OPEN CONNING STATION P/S	6	W.T. SLOPING BHD	11	C.G. LOCKER	16	REPAIR 3B	21	HELICOPTER CRASH RESCUE LOCKER	26	FORE PEAK TANK (SW BALLAST)	31	VOID INACCESSIBLE
2	SIGNAL MAN SHELTER	7	TOP OF AV GAS PUMP MOTOR ROOM AND PASS 75.6" ABL	12	RAIN CLOTHES LOCKER	17	READY SERVICE ROOM	22	HELICOPTER FLY CONTROL EQUIPMENT LOCKER	27	EDUCTOR ROOM		
3	SKY LOOKOUT P/S	8	CAPTAIN'S SEA CABIN	13	WET ROLLER CURTAIN DOOR	18	PLATFORM 7'-0" BELOW 03 LEVEL	23	HYDROGEN TESTING SHOP	28	DEGAUSSING CABLE TRUNK		
4	CHART ROOM	9	NAV. DEPARTMENT OFFICE	14	CO ₂ INFLATABLE LIFERAFTER P/S	19	3"/50 CALIBER MOUNT POWER ROOM	24	HELICOPTER FUEL STATION	29	KEEL RIDER PLATE		
5	SIDELIGHT PLATFORM SIDELIGHT UNDER	10	DECK W.R. AND W.C.	15	PACKING CONVERTER TRUNK	20	DECK GEAR LOCKER	25	HELICOPTER STARTING STATION	30	SUMP BOTTOM OT 60" ABL P/S		



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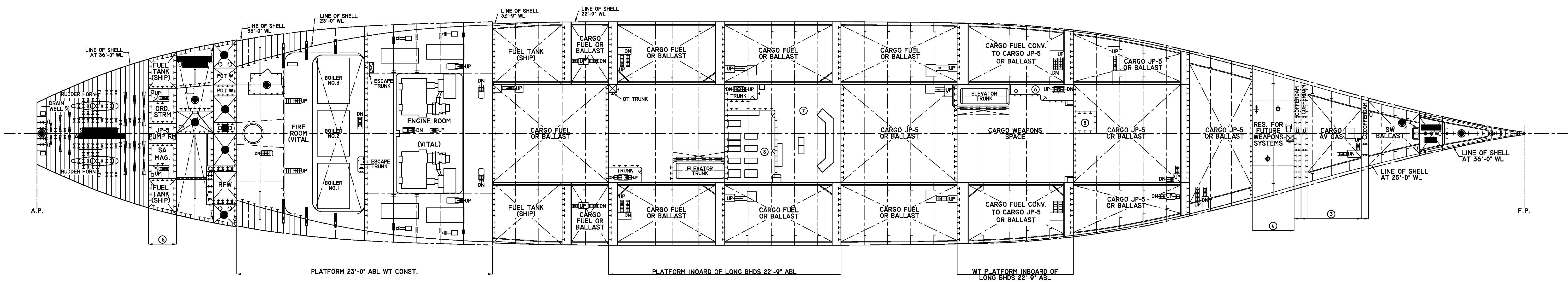
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HAER MARITIME
RECORDING PROGRAM
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

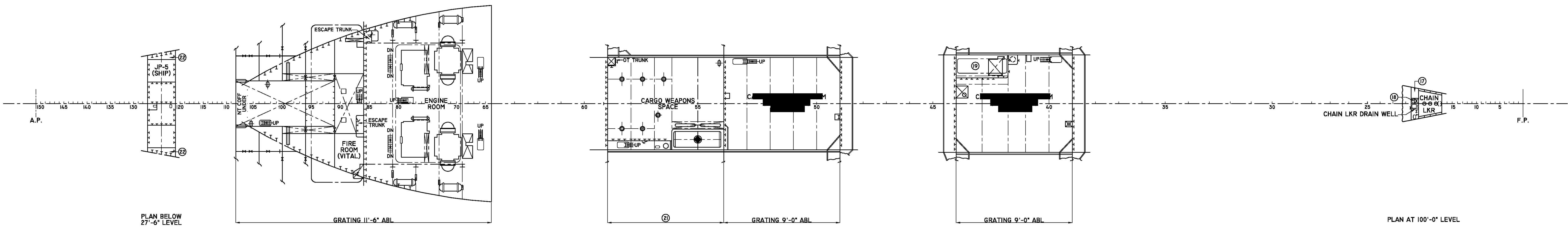
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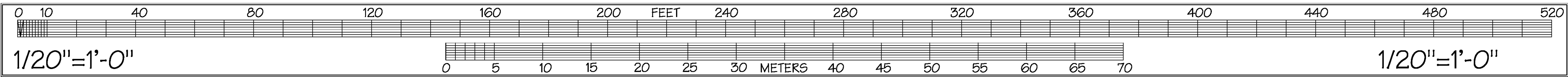


SECOND PLATFORM



THIRD PLATFORM

SCHEDULE OF ROOMS AND FEATURES OF VESSEL							
1	FOREPEAK TANK (S.W. BALLAST)	5	JP-5 CONTAMINATION TANK	9	FUEL SERVICE PROTECTIVE ENCLOSURE	13	AFT SEWAGE COLLECTION TANK
2	EDUCTOR ROOM TRUNK	6	SECURITY STATION TRUNK (VITAL)	10	POT W (CARGO)	14	AFT SEWAGE PUMP ROOM
3	NT FLATS INLINE WITH LONG #26	7	CARGO FUEL CONTROL CENTER	11	FUEL SERVICE TANK	15	FLAT OT 27'-6" ABL INBOARD OF OUTBOARD LONG BHDS
4	OT PLATFORM 25'-0" ABL	8	CARGO PUMP MOTOR CONTROL ROOM	12	CONTAMINATED FUEL SETTLING TANK	16	DEGAUSSING CABLE CONNECTION TRUNK
						17	TOP OF EDCUTOR ROOM 10'-0" ABL- W.T.
						18	EDUCTOR ROOM TRUNK
						19	ELEVATOR MACHINERY ROOM
						20	ELEVATOR TRUNK ELEVATOR PLATFORM
						21	3RD PLATFORM 12'-9" ABL PLATFORM WT FWD FR 56 & OT AFT FR 56
						22	FUEL TANK (SHIP)

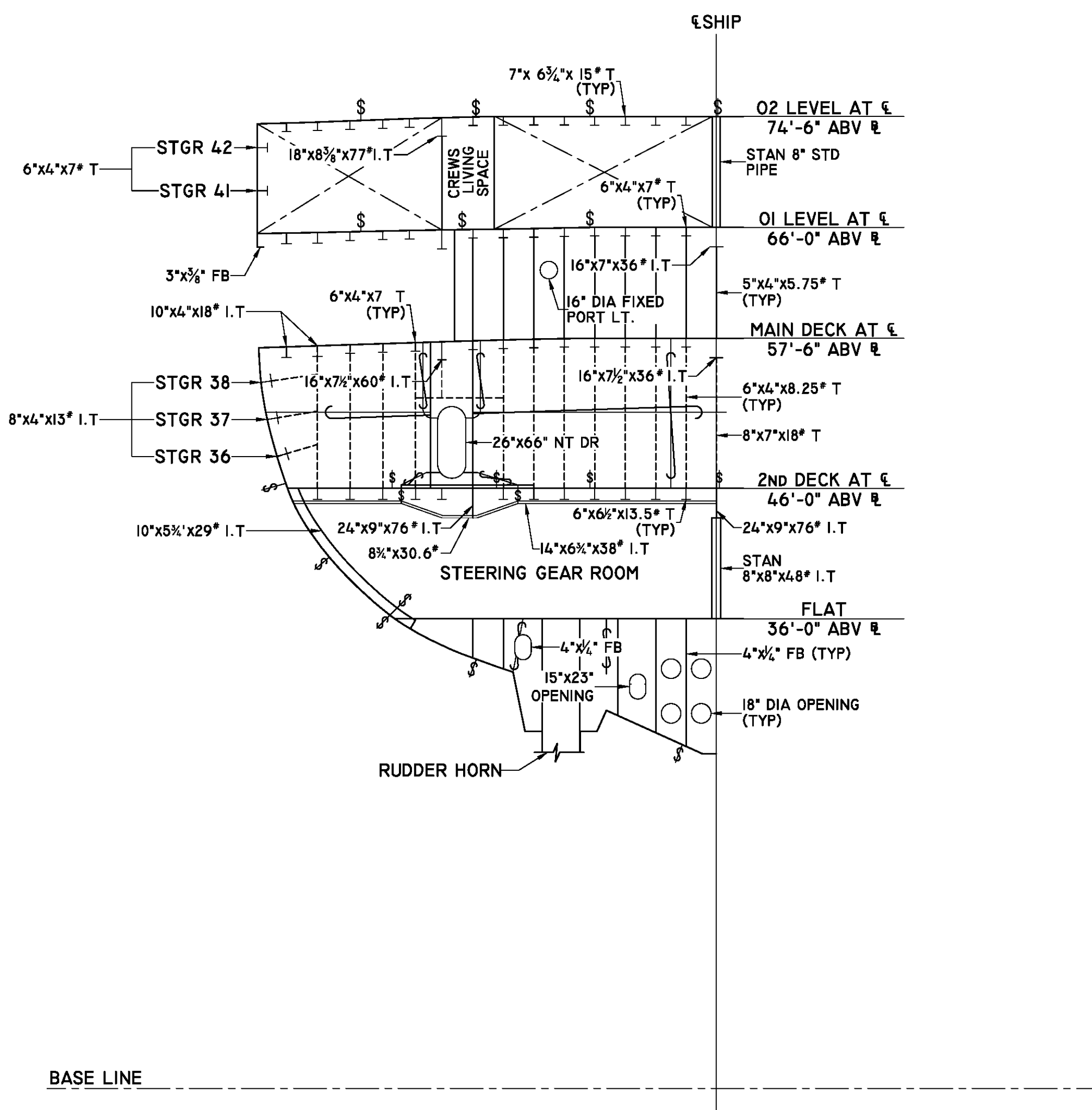


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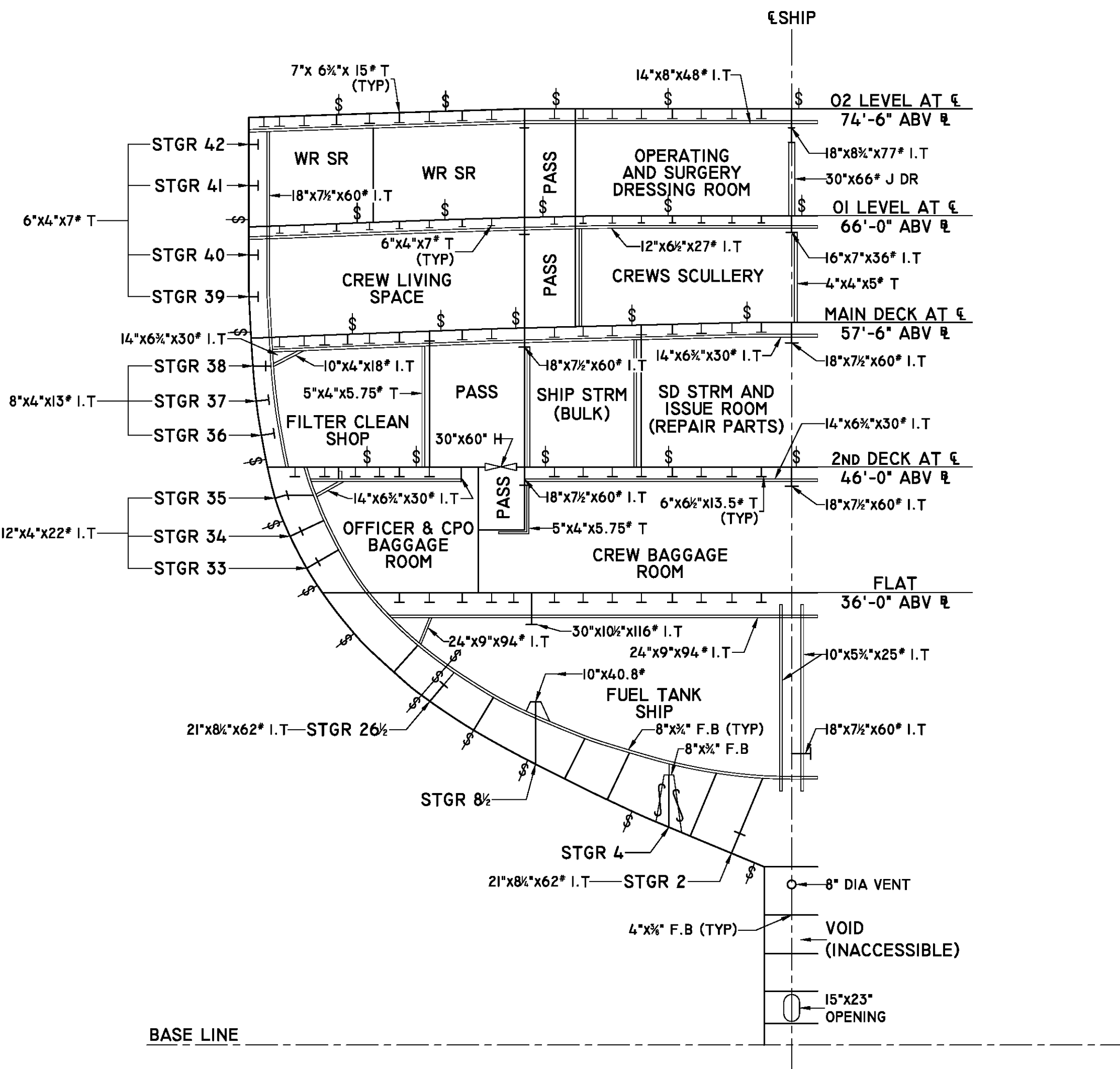
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Cross Section Drawings

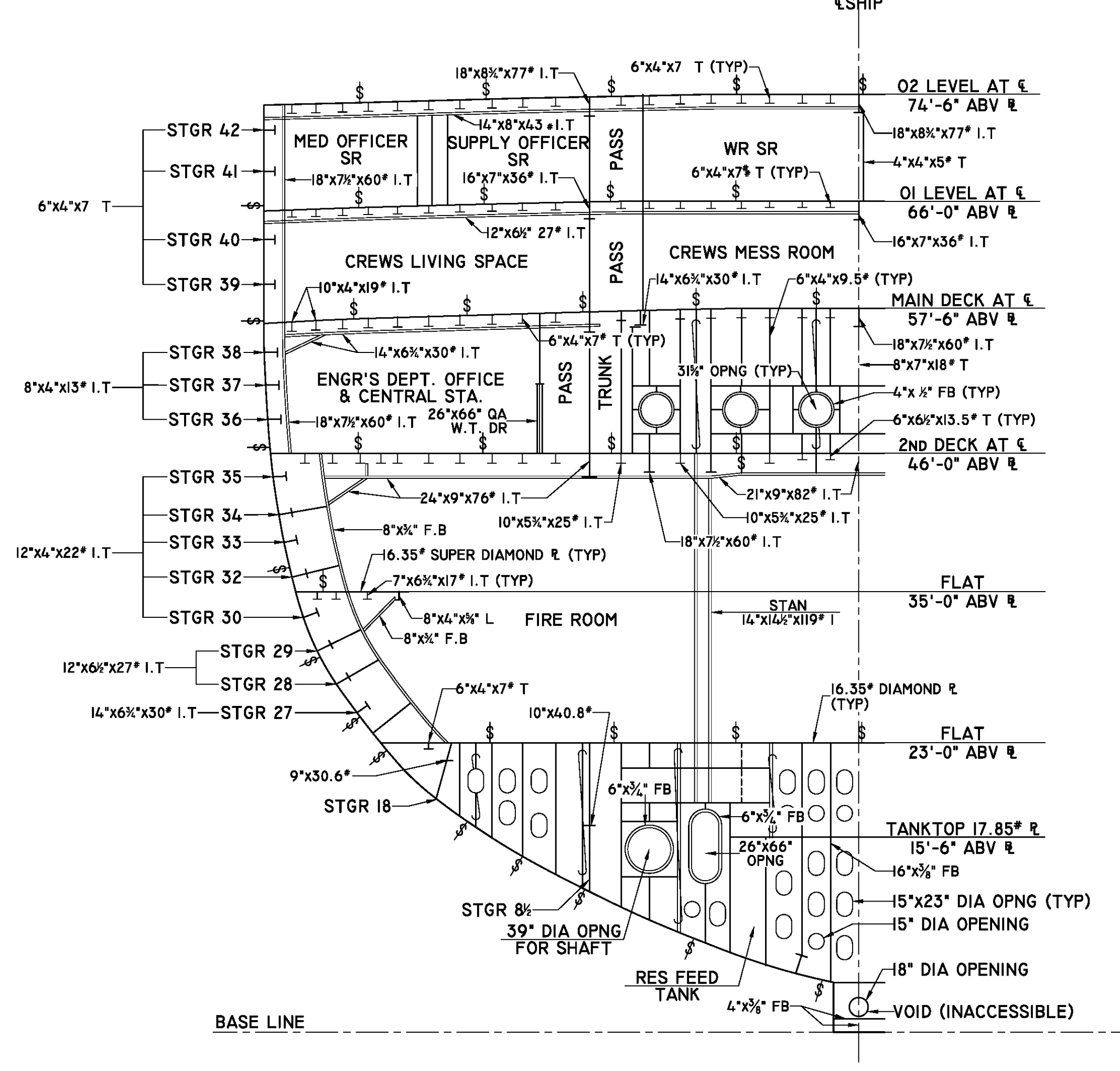
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SUISUN BAY VICINITY
CALIFORNIA
SHEET 7 OF 8
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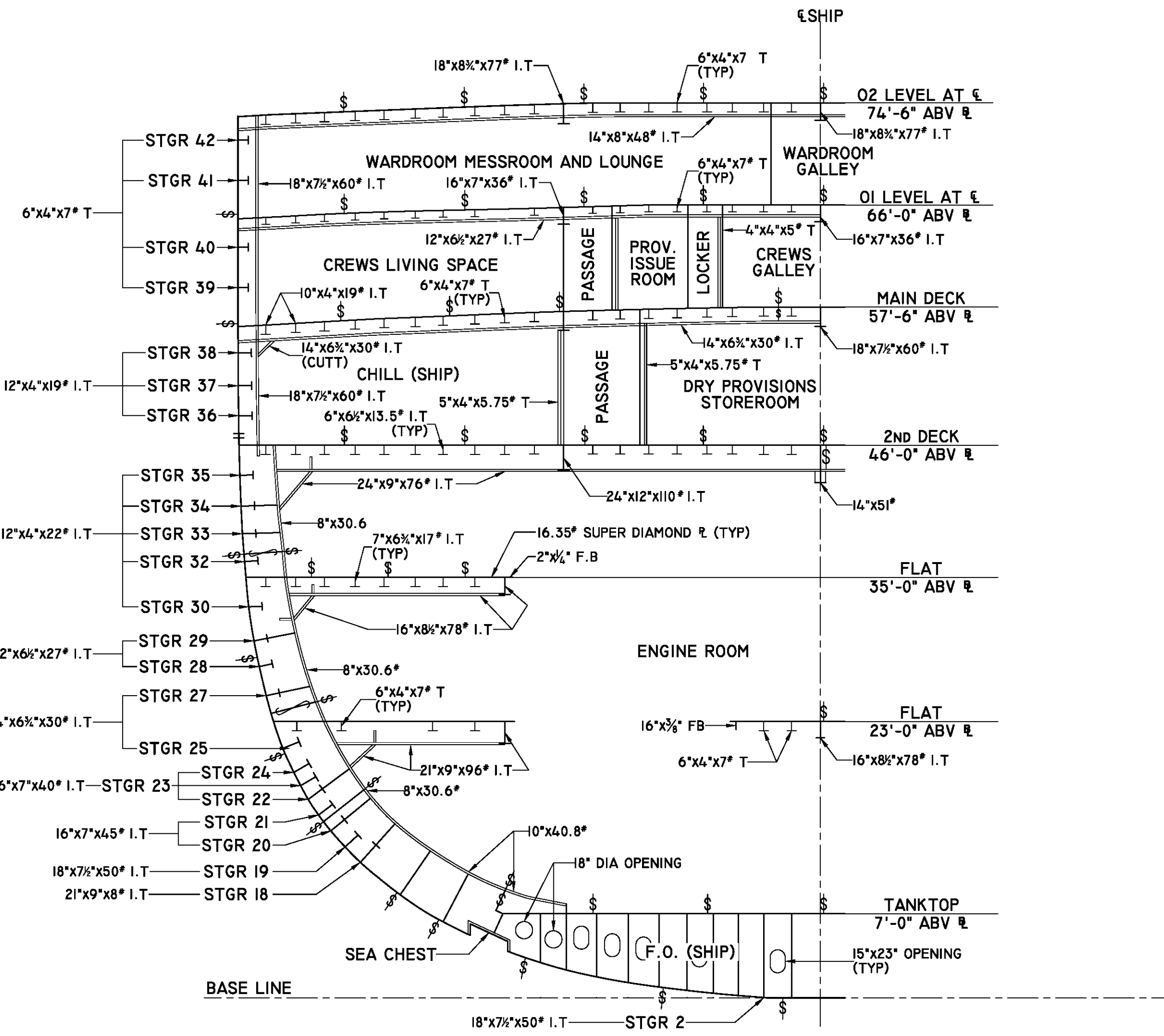
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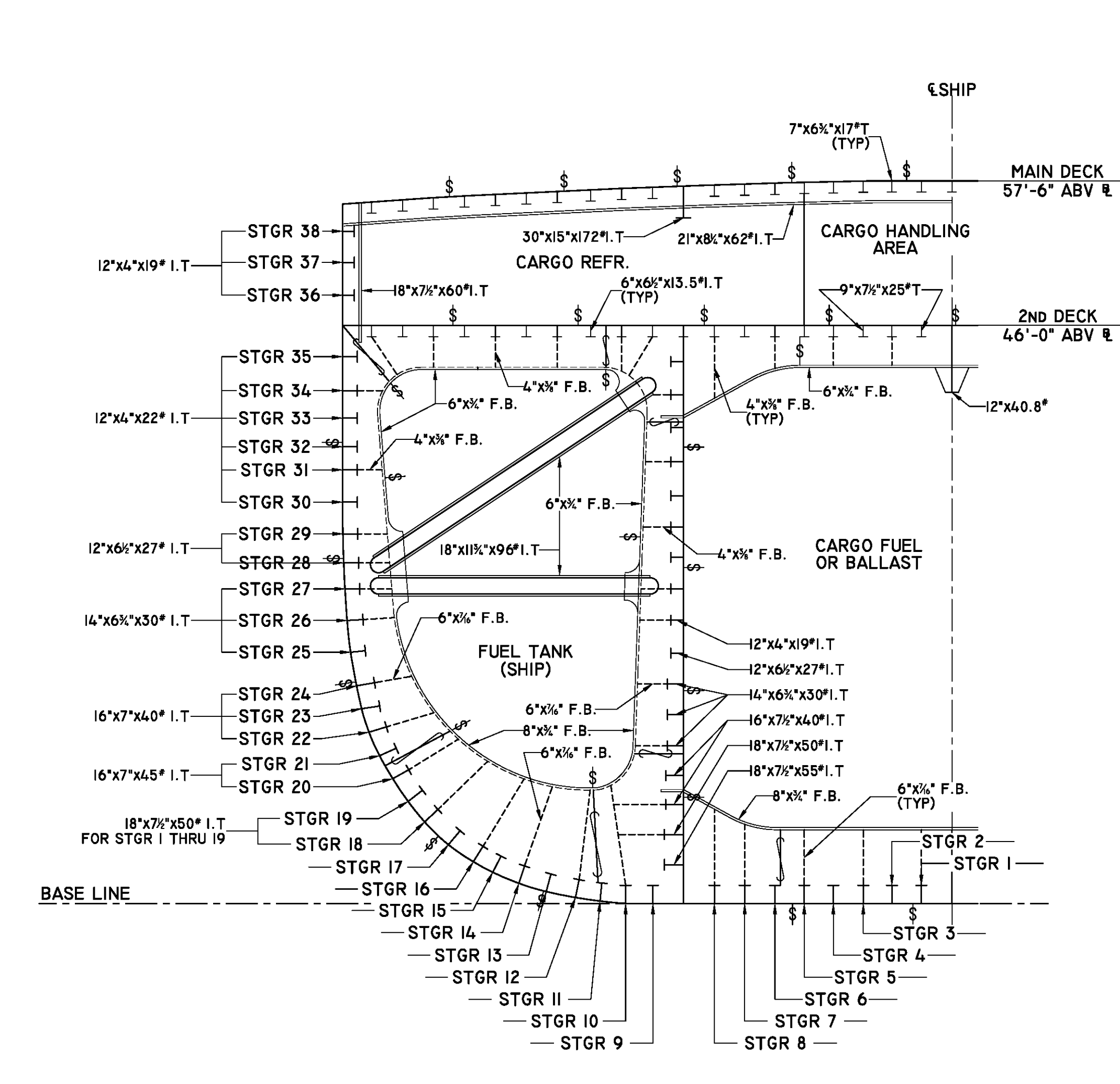
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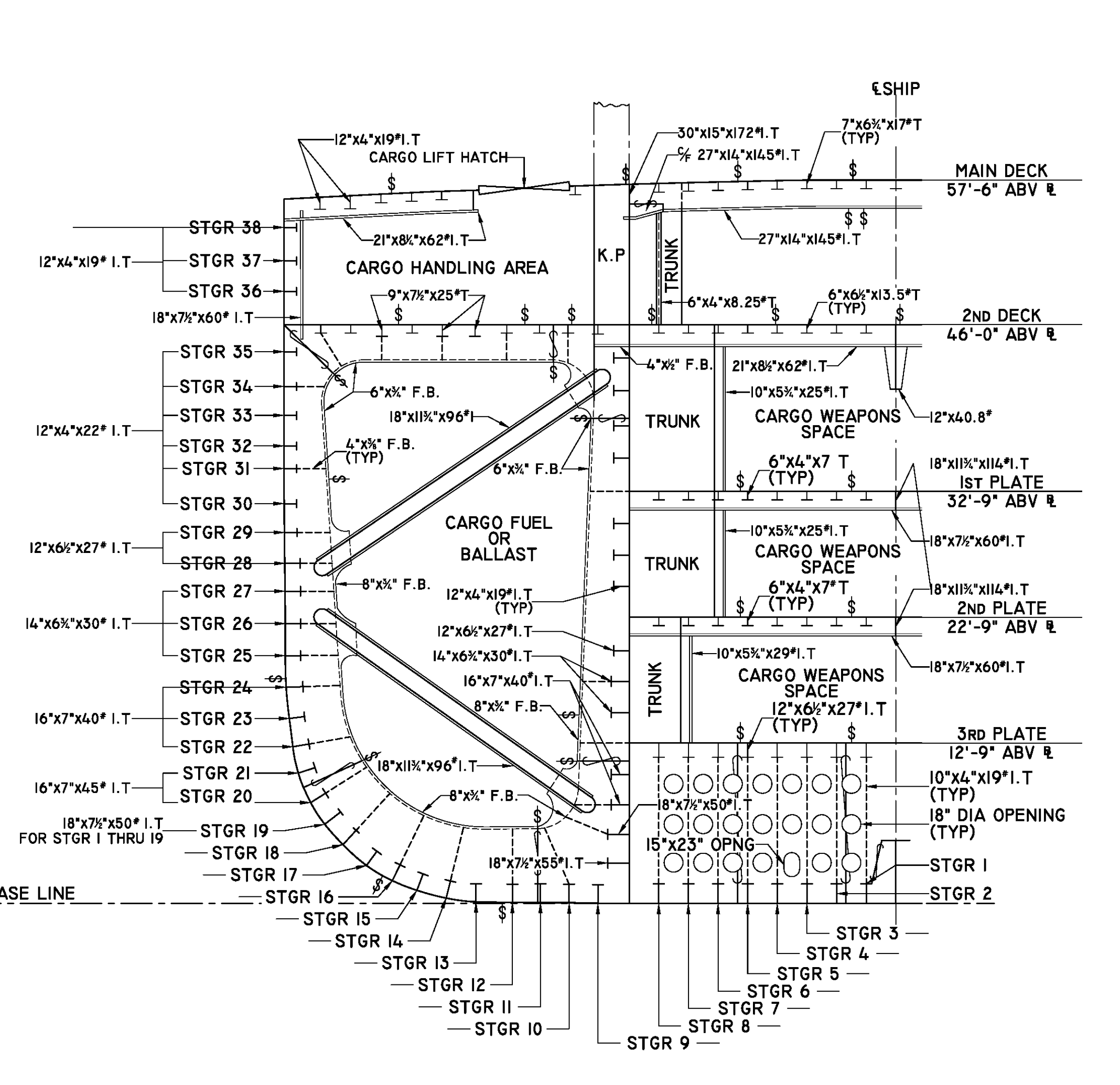
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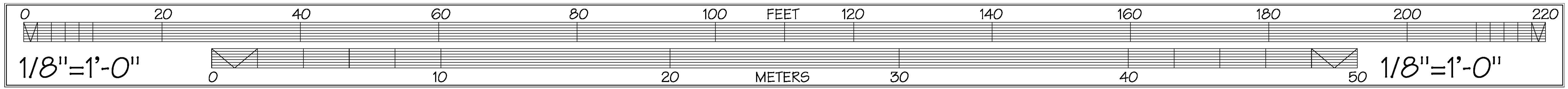
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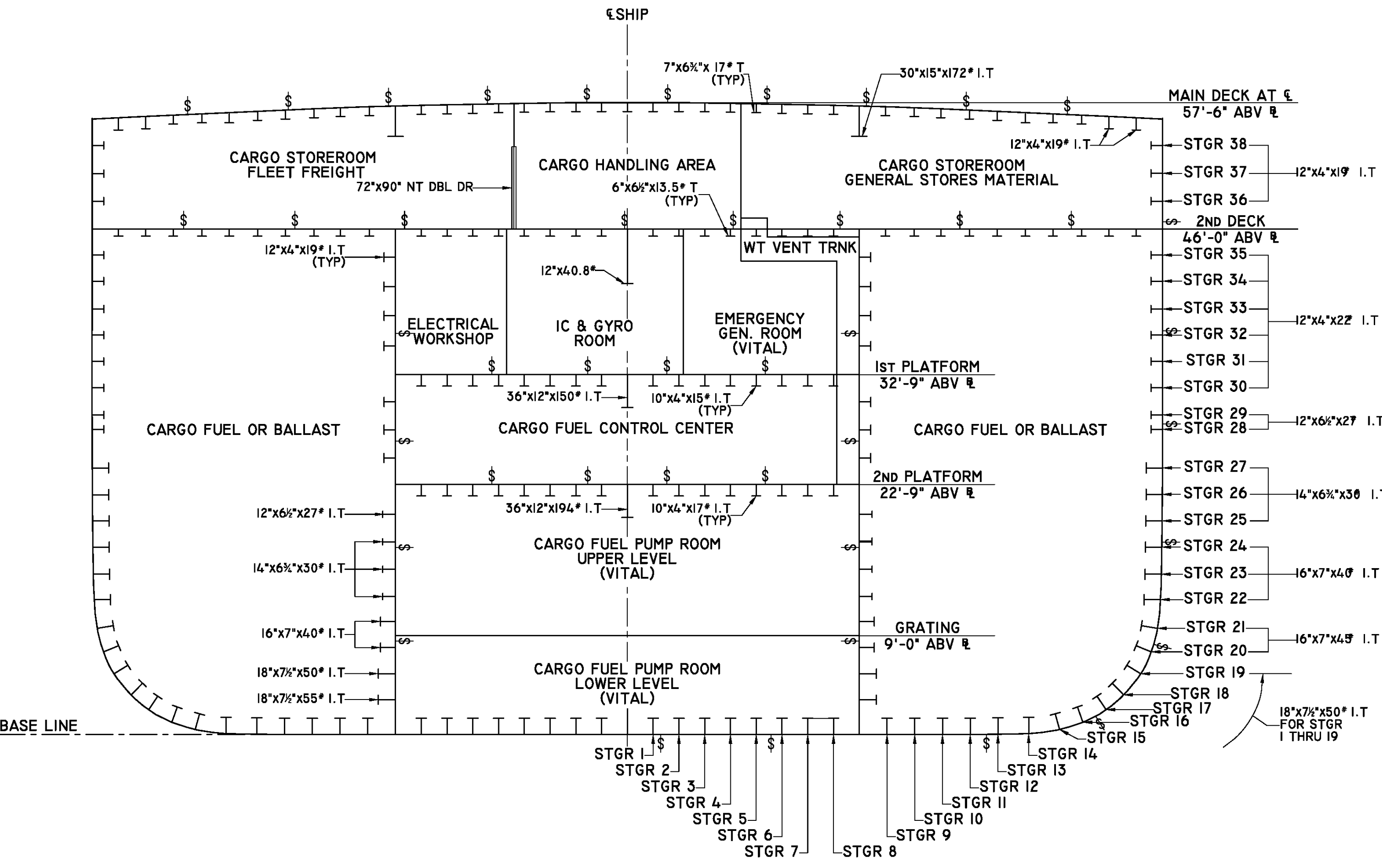
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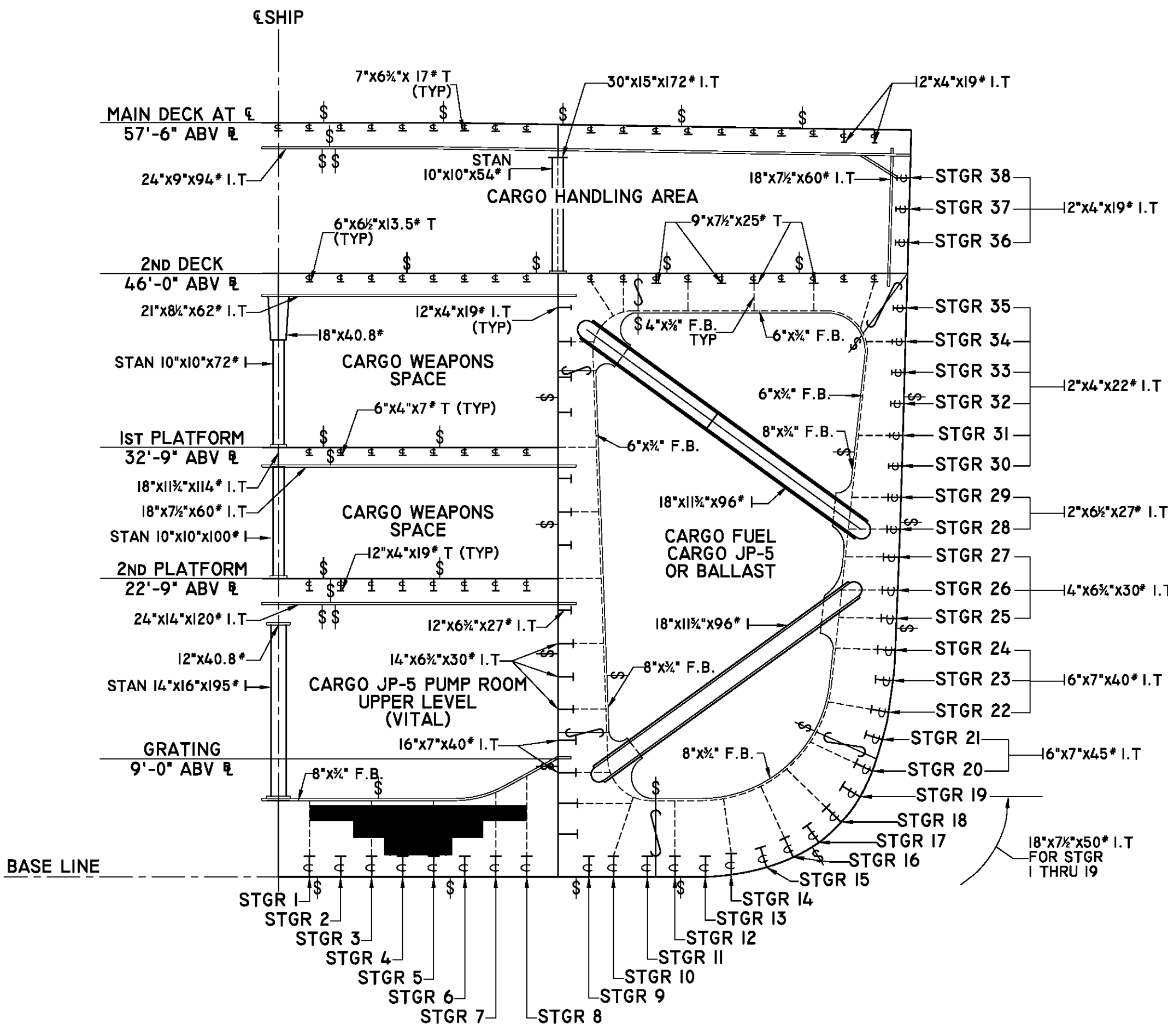
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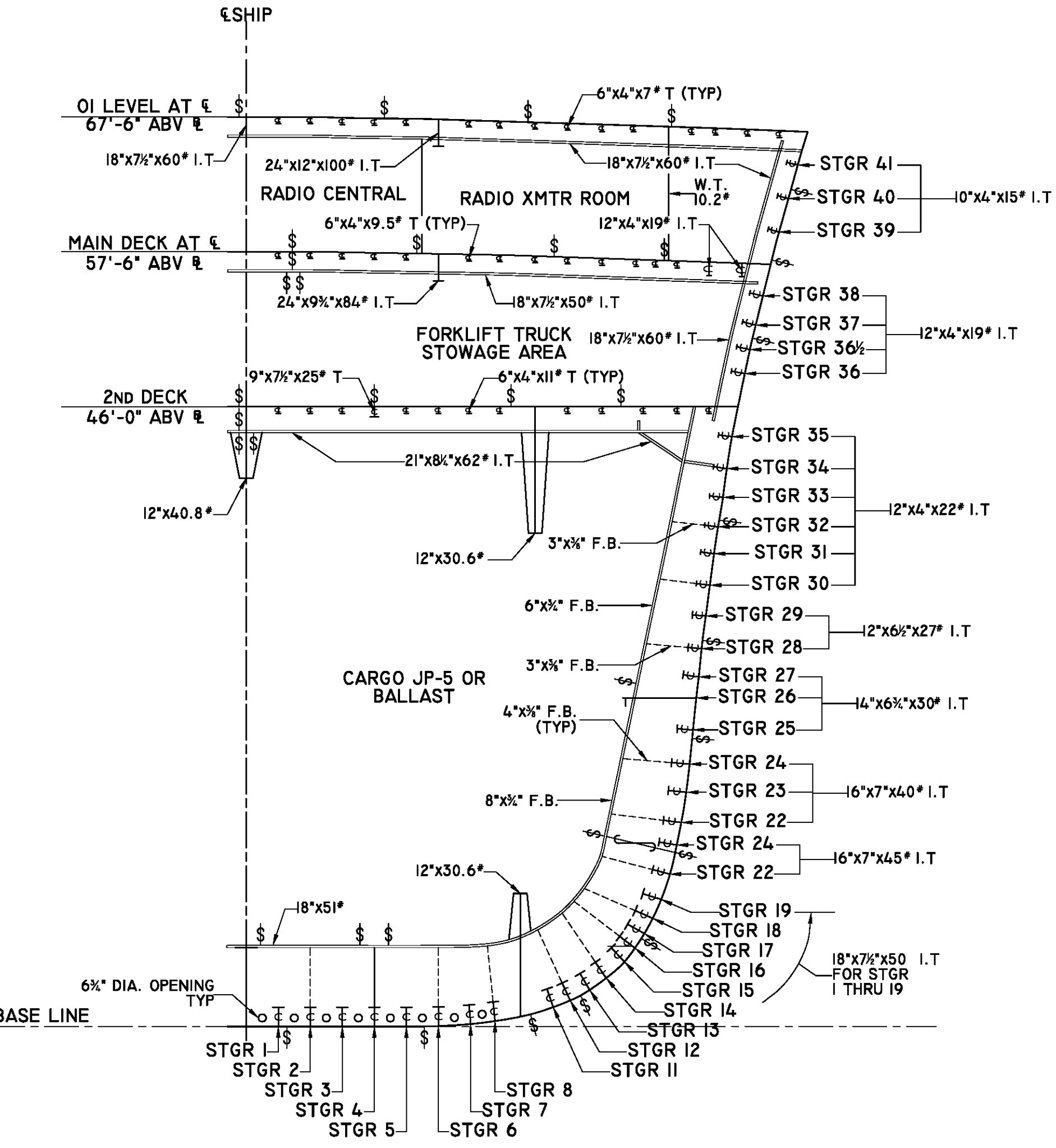
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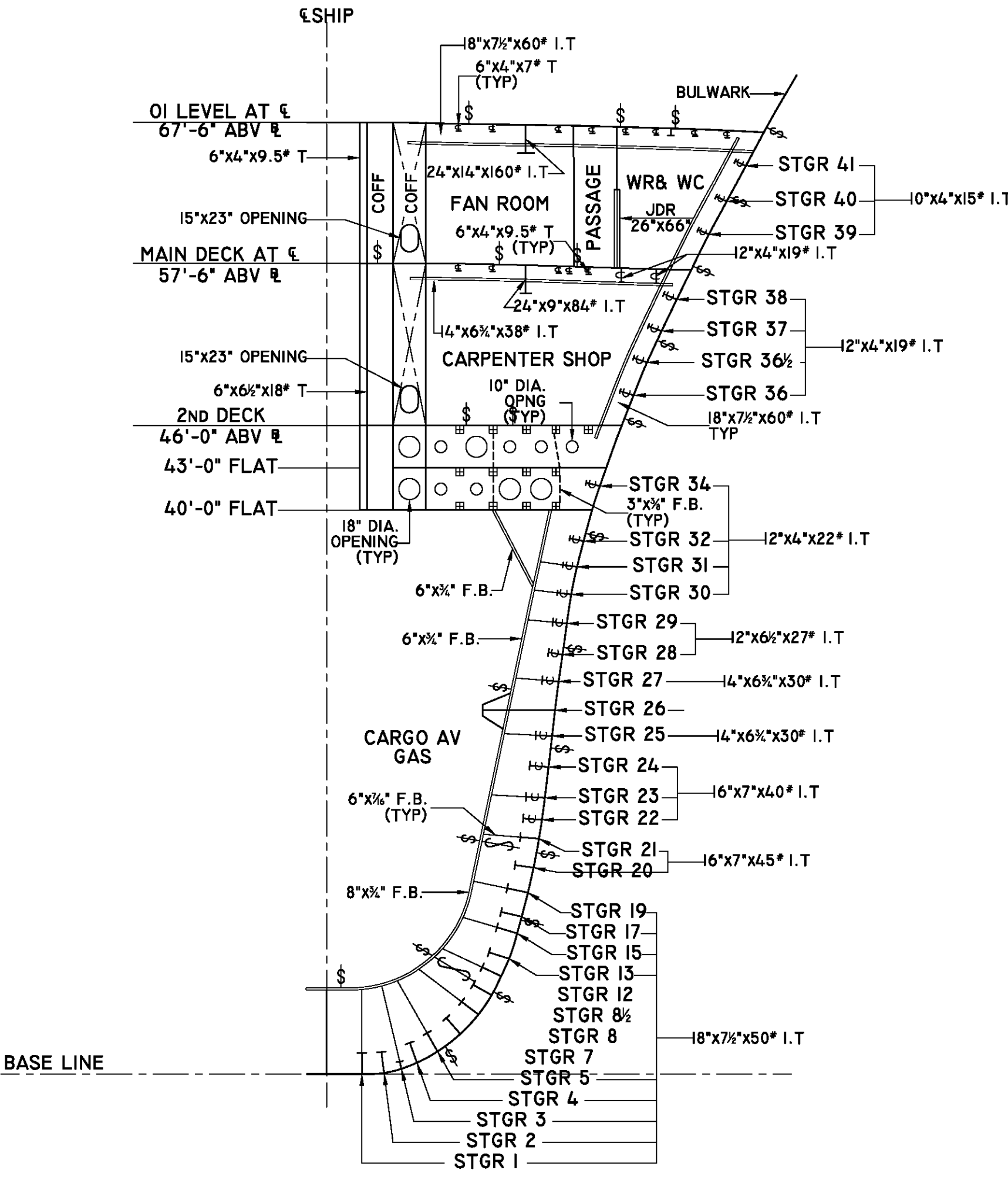
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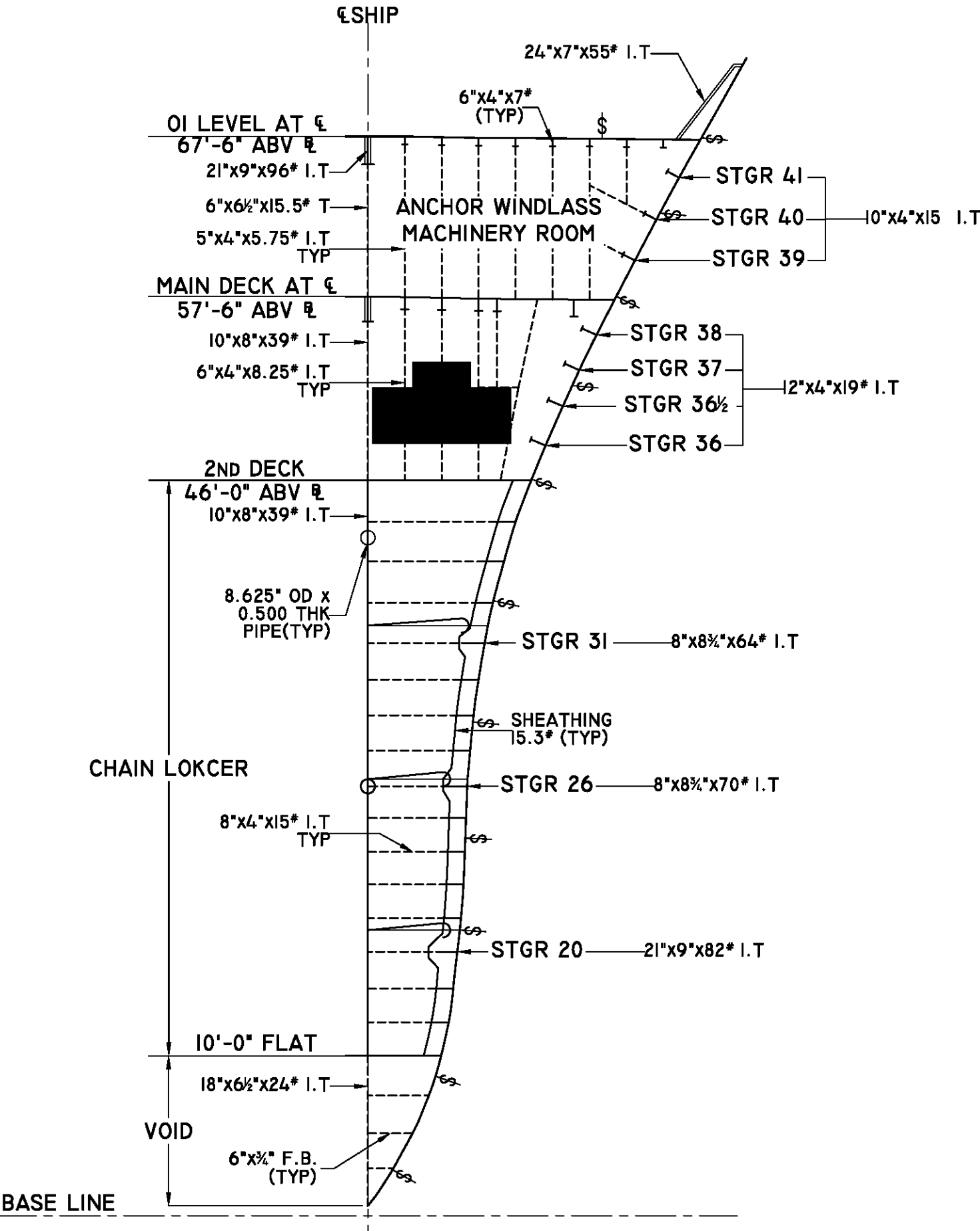
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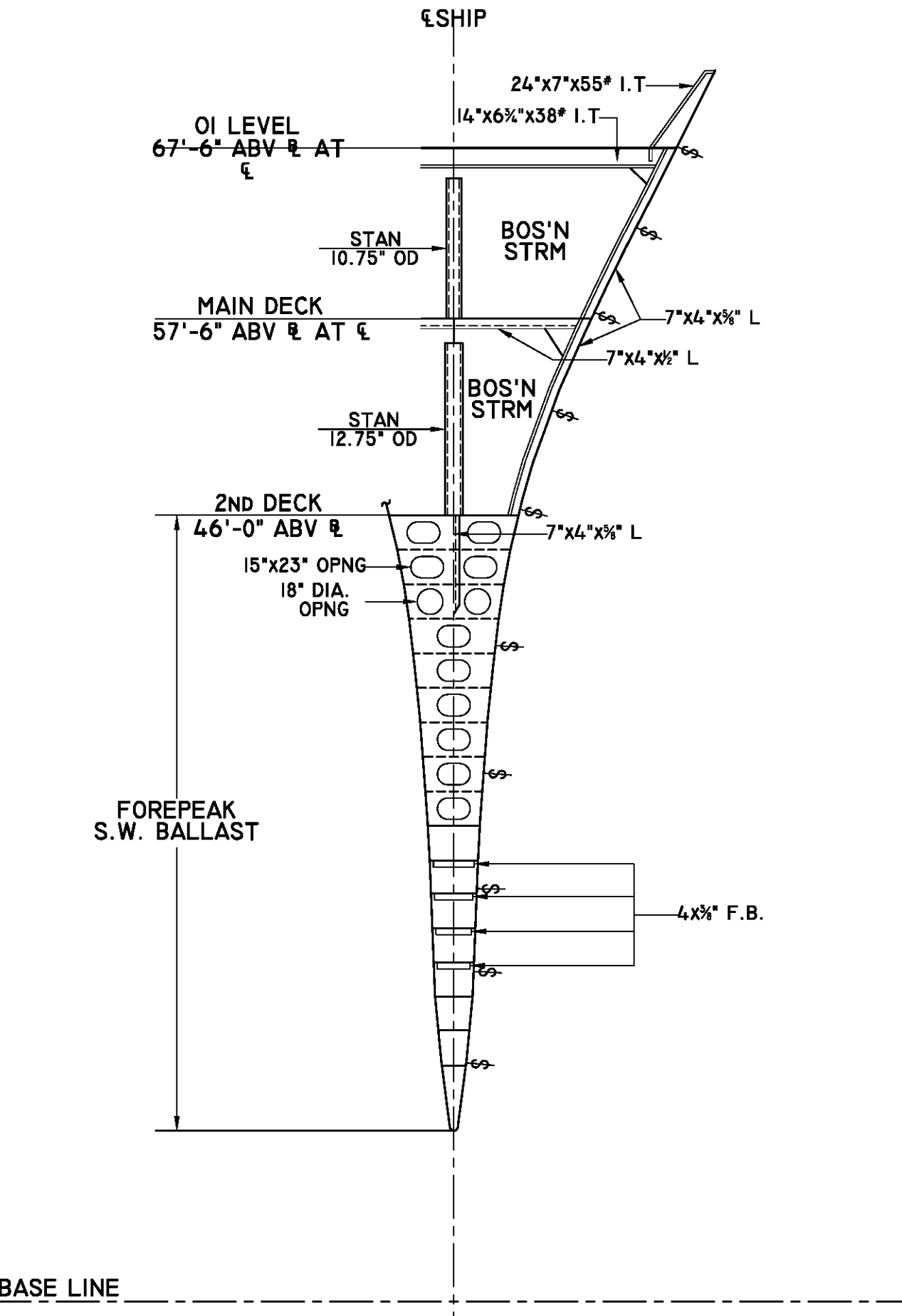
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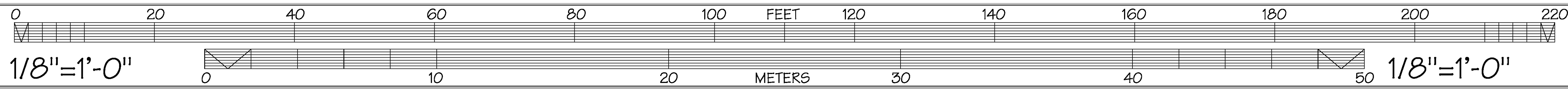
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